

ABSTRACT OF THE DISCLOSURE

A set of calibration/reference standard components are used to calibrate and/or validate the calibration of a material analyzer of the type that has a measurement region and measurement apparatus for measuring properties of a material specimen occupying a given portion of the measurement region. The analyzer is calibrated or the calibration is validated by taking measurements while a calibration/reference standard of known chemical composition is disposed within the measurement region of the analyzer to simulate the occupancy of the given portion of the measurement region by the material specimen. The set includes elongated calibration/reference standard components that are individually packaged in a hard shell for being so combined with each other in the measurement region as to simulate the occupancy within the given portion of the measurement region by the material specimen, and are further individually packaged for unaided handling of individual components by one or two persons.